

**REGIONAL
WATER QUALITY
CONTROL BOARD**

RREGION

8

CALTRANS DISTRICT

8

PREPARED FOR **THE STATE WATER RESOURCES CONTROL BOARD**

STORM WATER MANAGEMENT PROGRAM

REGIONAL WORK PLAN FOR FISCAL YEAR 2002/2003

REGION 8

Santa Ana Basin Regional
Water Quality Control Board

CTSW-RT-01-075



California Department of Transportation
District 8
464 West Fourth Street – 6th Floor
San Bernardino, California 92401-1400

April 1, 2002

**CERTIFICATION
REGIONAL WORK PLAN
California Regional Water Quality Control Board
Santa Ana Region 8
Fiscal Year 2002/2003
April 1, 2002**

California Department of Transportation District 8

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

Anne Mayer, District Director

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1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) is to describe how the Department Districts will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board during Fiscal Year 2002-2003 as required by the Department Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DISTRICT PERSONNEL AND RESPONSIBILITIES

Portions of the Department District 8 fall within the jurisdiction of the Santa Ana Regional Water Quality Control Board (coverage area). Organization charts for District 8 are included in Figures 2-1. Staff responsible for implementing the SWMP within the Santa Ana Regional Water Quality Control Board jurisdiction are listed in Table 2-1.

TABLE 2-1: THE DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Paul Lambert	NPDES Storm Water Coordinator, Design Storm Water Coordinator	(909) 383-4948	Paul_Lambert@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the Districts.
Walt Griffith	Construction Storm Water Coordinator	(909) 514-2402	Walt_Griffith@dot.ca.gov	Conducts inspections to assist the RE in ensuring that storm water controls are implemented on construction sites and to assist the RE s in reviewing SWPPPs/WPCPs
Jim Dodd	Maintenance Storm Water Coordinator	(909) 383-4703	Jim_Dodd@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the District SWMP
Scott Neff	Engineering Services Storm Water Coordinator	(909) 383-6483	Scott_Neff@dot.ca.gov	Primary contact for Hydraulic-related storm water issues.
Phillip Reynolds	Project Management Storm Water Coordinator	(909) 383-4960	Phillip_Reynolds@dot.ca.gov	Primary contact for Project Management-related storm water issues.
Chung-Yuan Wen	Operations Storm Water Coordinator	(909) 383-7549	Chung-Yuan_Wen@dot.ca.gov	Primary contact for Operations-related storm water issues.
Michael Yarbrough	Right of Way Storm Water Coordinator	(909) 383-4581	Michael_Yarbrough@dot.ca.gov	Primary contact for Right of Way-related storm water issues.
Rosanna Roa	Environmental Planning Storm Water Coordinator	(909) 383-5917	Rosanna_Roa@dot.ca.gov	Primary contact for Environmental Planning-related storm water issues.
Yong H. Kim	Planning Storm Water Coordinator	(909) 388-7027	Yong_Kim@dot.ca.gov	Primary contact for Transportation Planning-related storm water issues.
Vacant	Resource Management Storm Water Coordinator	Vacant	Vacant	Primary contact for Resource Management-related storm water issues.

SECTION TWO

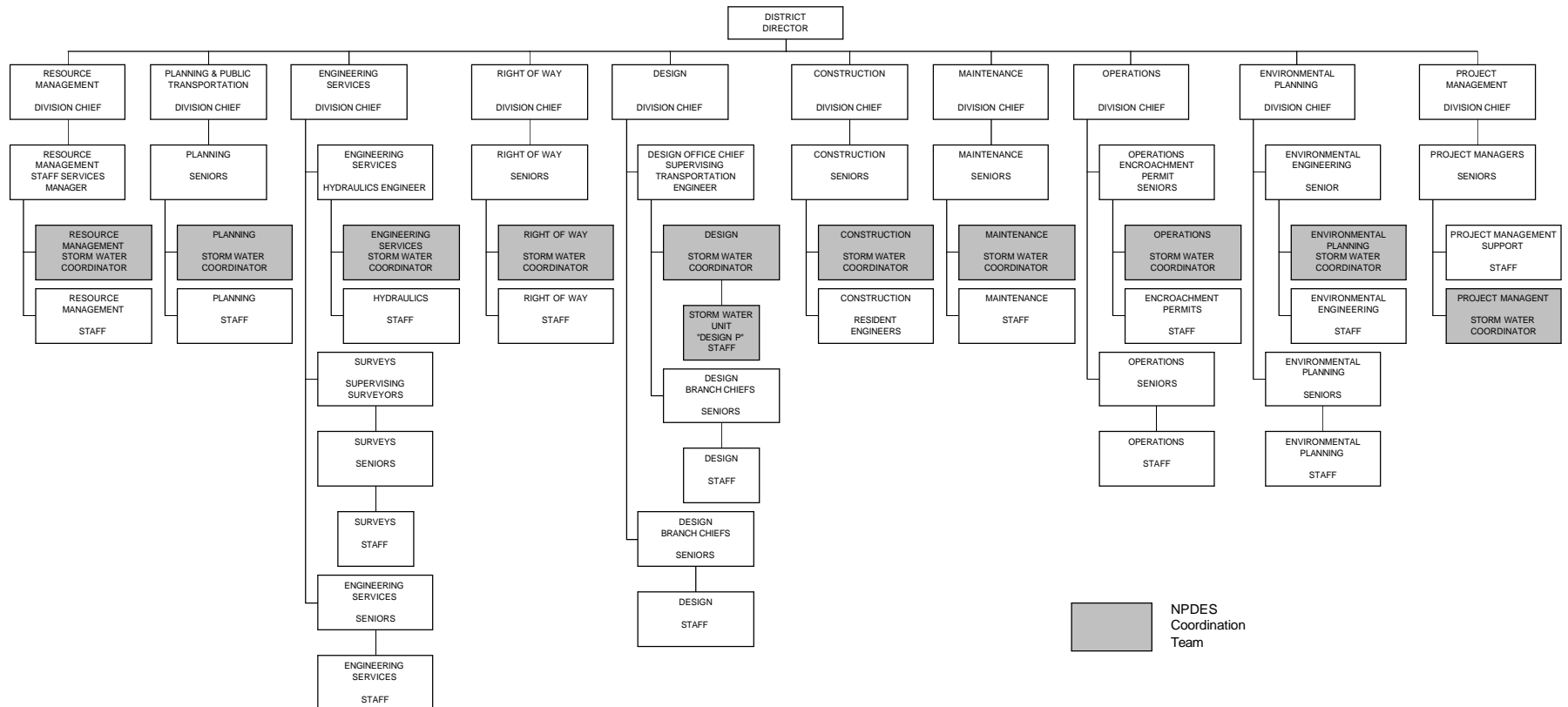
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In compliance with Permit Section M. 10. b, the following [individuals/positions] listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the State Water Resources Control Board or the Regional Water Quality Control Board(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions	Documents Authorized for Signature
District Director	All
District NPDES Storm Water Coordinator	All District storm water related documents except Annual Report Certification
Design Senior Engineer	NOC
Construction Senior or Resident Engineer	SWPPP approval, NOCC
Maintenance Senior Env Planner	Maintenance activity reports
Maintenance Superintendent	Maintenance activity reports

Figure 2-1: Organizational Structure of District 8 Storm Water Program



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3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies Department facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. Maps showing the District 8 boundaries within the Santa Ana Regional Water Quality Control Board, and major roads and highways are presented on Figure 3-1.

TABLE 3-1: DISTRICT 8 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
RIV	74	65.7	Keen Camp	Maintenance
RIV	74	17.8	Elsinore	Maintenance
RIV	79	27.4	Hemet	Maintenance
RIV	91	6.1	Corona	Land. & Maint..
RIV	91	21.3	Riverside	Land. & Maint..
SBd	138	15.3	Cajon	Maintenance
SBd	38	20.2	Camp Angelus	Maintenance
SBd	38	51.9	Fawnskin Yard	Maintenance
SBd	18	39.0	Lakeview	Maintenance
SBd	215	6.9	District 8 Office	Non-Maintenance
SBd	60	5.8	Ontario	Land. & Maint..
SBd	10	20.0	Magana Ortega	Land. & Maint..
Vista Points				
RIV	243	13.8	Indian Hill Road	
SBd	38	10.7	Mill Creek	
SBd	38	14.2	Eyes of the World	
Commercial Vehicle Enforcement Facilities				
SBd	15	R20.62	Cajon	NB
SBd	15	R20.86	Cajon	SB
Roadside Rest Areas				
SBd	10	14.3	Fontana	Closed- Storage Site
Park and Ride Facilities				
SBd	15	6.8	Baseline	
SBd	10	18.5	Cedar	
SBd	10	0.7	Montclair	
SBd	71	0.854	Chino	
SBd	10	35.4	Yucaipa	
RIV	60	3.0	County Village	
RIV	60	1.8	Van Buren	
RIV	60	11.8	Orange	
RIV	15	48.1	Limonite	
RIV	15	43.6	Four Wheel Dr Norco	
RIV	91	6.3	Corona	
RIV	15	22.2	Lake Elsinore	
RIV	15	45.6	Norco	
RIV	60	14.3	Moreno Valley	
Sand and Salt Staging Areas				
RIV	74	65.7	Keen Camp	
SBd	138	15.3	Cajon	

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SBd	38	20.2	Camp Angelus	
SBd	38	51.9	Fawnskin Yard	
Snow Storage Sites				
N/A				
Toll Road and Bridge Plazas				
N/A				

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com>

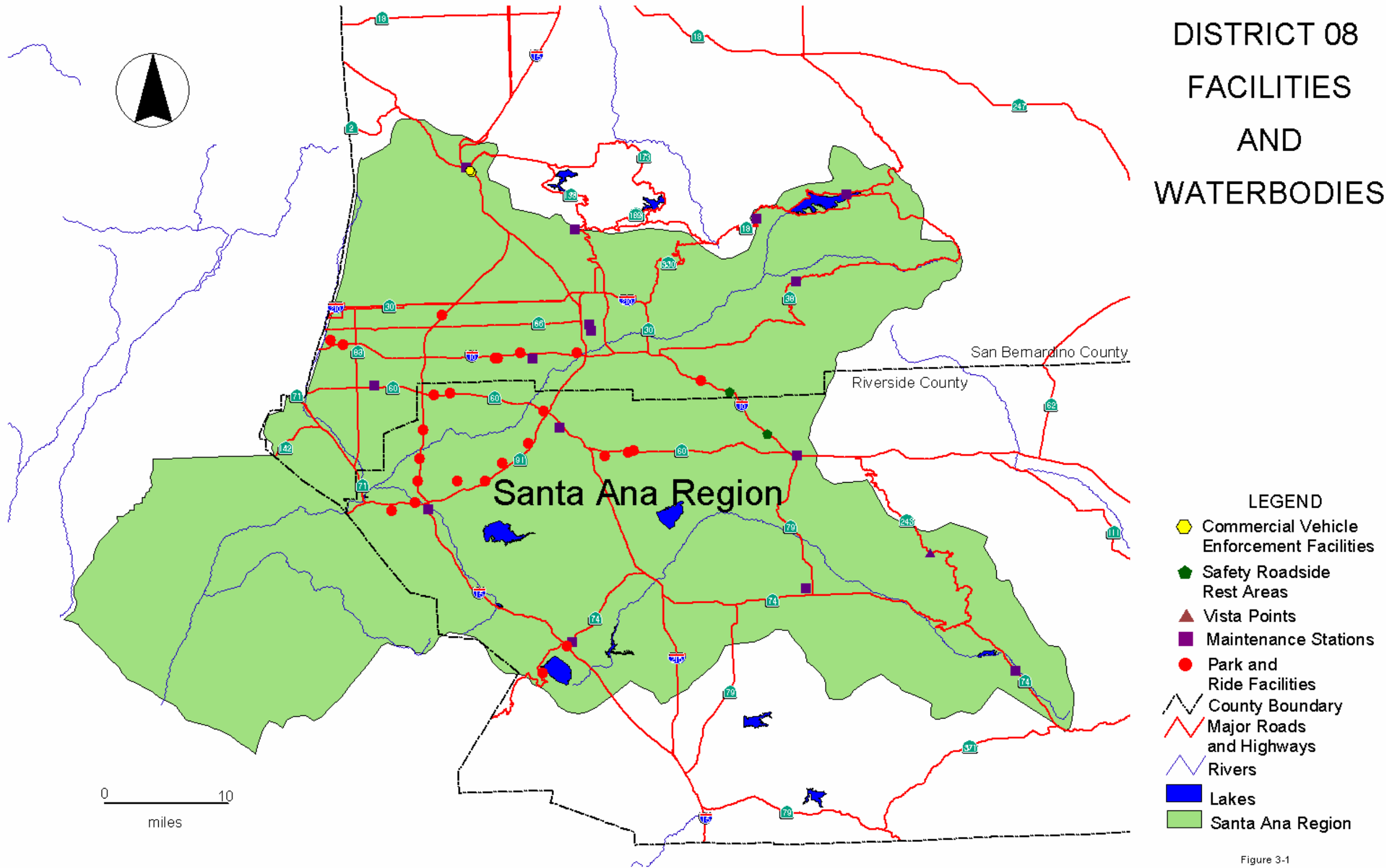


Figure 3-1

4.0 HIGH RISK AREAS

A list of high risk areas within District 8 is presented in Table 4-1. High risk areas are defined in the Section E.2 of the Permit to include areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the Regional Water Quality Control Board (RWQCB) and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a the Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
74	RIV	Lake Elsinore	PM 19.36	Domestic Reservoir
18	SBd	Big Bear Lake	PM 44.39-45.00	Domestic Reservoir
18	SBd	Big Bear Lake	PM 46.1-46.23	Domestic Reservoir
38	SBd	Big Bear Lake	PM 52.35-52.84	Domestic Reservoir
38	SBd	Big Bear Lake	PM 54.80-54.92	Domestic Reservoir
38	SBd	Big Bear Lake	PM 55.08-55.23	Domestic Reservoir
38	SBd	Big Bear Lake	PM 55.98-56.44	Domestic Reservoir
38	SBd	Big Bear Lake	PM 56.71-59.39	Domestic Reservoir
30	SBd	Santa Ana River	PM 31.15	Water Percolation
215	SBd	Santa Ana River	PM 4.21	Water Percolation
10	RIV	Santa Ana River	PM 23.82	Water Percolation
60	RIV	Santa Ana River	PM 10.5	Water Percolation
15	RIV	Santa Ana River	PM 46.15	Water Percolation
74	RIV	Lake Hemet	PM 62.99	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.448	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.546	Domestic Reservoir
74	RIV	Lake Hemet	PM 63.76	Domestic Reservoir

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided in April 2002.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres (1 acre after 2003) of land disturbance, designated as “SWPPP”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project includes Lahontan Regional Water Quality Control Board specific requirements for the Lake Tahoe Hydrologic Unit, designated as “LT”;
- The project limits are with a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

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TABLE 5-1: DISTRICT 8 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP** Category	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Schedule			Construction Period	
										Project Scoping (PID)	Project Dev. (PA&ED)	Final Design (PS&E) Permits & Mitigation	Start Date	Completion Date
1	A	45930	RIV	079	31.2	PAINT STEEL CASTINGS	San Jacinto River	401		6/1/2000	12/1/2001	4/1/2002	10/1/2002	1/1/2003
2	A	0A440	RIV	015	16.546-20.661	RECONSTRUCT IC, AUX LNS, WIDEN RAMP	Lake Elsinore San Jacinto River	SWPPP, 303(d), 401	14.8	11/1/2001	7/1/2002	4/1/2004	11/1/2004	11/1/2006
3	A	46800	SBD	010	12.5-13.8	RECONSTRUCT INTERCHANGE AND WIDEN CHERRY AVE FROM SLOVER AVE TO VALLEY BLVD	NO	SWPPP	32 acres	6/14/2001	7/1/2003	5/1/2006	3/1/2007	12/1/2008
4	A	22700	SBD	018	44.2-44.7	REPLACE BRIDGE	Bear Creek	303(d), 401	1.263	10/17/1984	1/1/2003	10/1/2003	8/1/2004	1/1/2006
5	A	0A750	RIV	015	36.17-36.38	INSTALL METAL BEAM GUARDRAIL	NONE	SWPPP	NO		10/1/2003	3/1/2004	8/1/2004	
6	A	1A450	SBD	015	4.2	CONST NEW INTERCHANGE	Day Creek Channel	SWPPP, 401	56.4	12/1/2001				

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7	B	46272 (3348U)					SANTA ANA	SWPPP			11/01/01	04/27/01	01/01/03	10/01/03
8	B	46272 (3348U- Convent ional)	RIV	215	42.3- 43.3	CONSTRUCT AUXILIARY LANES AND ADDITIONAL MAINLINE IMPROVEMENTS ON ROUTES 91 AND 215	Santa Ana	SWPPP	13.0		11/1/2001	4/1/2002	1/1/2003	10/1/2004
9	B	46272 (3348U)					SANTA ANA	SWPPP	13.0		11/01/01	03/01/02	10/01/02	04/01/04
10	B	33480	RIV	215	40.3- 43.3	REMOVE EL CERRITO DR IC, RECONFIGURE VAR IC, RECONST MAINLINE TO PROVIDE STD LNS & SHDRS & ADD 2 HOV LNS & TR CLMBG LN (SB) FR EL CERRITO TO UNIVERSITY AVE (PR to be done under EA 466900.)	Evans Lake (Fairmou nt Park)	SWPPP	13.0 ha	6/12/1997	12/15/01	01/02/03	10/01/03	10/20/06
11	B	46681	RIV	215	38.7- 40.3	6-LN FREEWAY TO 8 LANES FOR HOV LANE BOTH SIDES AND A TRUCK CLIMBING LANE (SB) (Segmented from EA 466800)	Biladeau Reservoir	SWPPP	7.0 ha	6/12/1997	12/15/01	01/02/03	10/01/03	10/31/06
12	B	44651	RIV	071	0-2.7	WIDEN TO 4 LN EXPRESSWAY, INCL 2 ADDITIONAL ANIMAL CROSSINGS	santa ana river	SWPPP, 6 303(d), 401	6	10/23/1997	6/29/2000	1/1/2002	10/1/2002	7/1/2004
13	B	32300	RIV	060	17.8- 19.5	MODIFY IC (RAMPS ONLY)	None	SWPPP	Pending	5/31/1990	6/1/2001	3/1/2002	12/1/2002	3/1/2003
14	B	47440	SBD	010	30.8- 33.4	WIDEN FROM 6 TO 8 LANES IN MEDIAN (Will include 45370K (SHOPP project) for construction purposes.)	San Jacinto River	SWPPP	5 hec	8/19/1999	1/1/2003	5/1/2005	2/1/2006	8/1/2007

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15	B	46360	RIV	060	12.2-20.4	ADD 2 HOV LANES IN MEDIAN & RECONFIGURE PERRIS IC (Also includes soundwalls and fiber optics)		SWPPP		10/26/1993	9/1/2001	9/1/2002	4/1/2003	2/1/2005
16	B	43700	SBD	138	16.8-18.7	CONSTRUCT 40' PAVED SECTION ON NEW ALIGNMENT	Crowder Creek	SWPPP, 401	78.0	8/5/1996	9/1/2002	6/1/2003	4/1/2004	10/1/2005
17	B	44655	RIV	071	2.4-3	CONSTRUCT EB 91 TO NB 71 CONNECTOR	Santa Ana River	SWPPP		2/1/2001	7/1/2002	8/1/2004	4/1/2005	2/1/2008
18	B	45661	RIV	091	0.9-2.2	REPLACE IC & CONSTRUCT AUXILIARY LANE (EB Rte 91)	NONE	SWPPP	22	12/22/1997	4/1/2003	11/1/2003	7/1/2004	11/1/2005
19	B	46970	SBD	138	0-14	CONSTRUCT TRUCK CLIMBING LANES, WIDEN SHOULDERS, REALIGN RDWY, MODIFY INTERSECTIONS & REHAB RDWY (PROJECT TO INCLUDE EA 46980G, 47450G & 47460G.)	Cajon Wash	SWPPP	70	8/26/1999	6/30/2001	9/1/2002	9/1/2003	12/1/2006
20	B	35842	SBD	038	9.1-10.1	WIDEN BRIDGE, UPGRADE BRIDGE RAIL, SEISMIC RETROFIT (Includes 08- 35830K)	Mill Creek Canyon	SWPPP, 303(d)	about 5 acres		7/1/2003	2/1/2004	9/1/2004	12/1/2006
21	C1a	44407	SBD	210	20.6-22.9	POR SEG 11- CONSTRUCT MAINLINE & RT 215 IC IMPR	Santa Ana River	SWPPP, 401	50 acres	08/27/91	09/20/96	08/01/03	03/04/04	03/01/06
22	C1a	44408	SBD	210	20.6-22.9	POR SEG 11- CONSTR 2 HIGH SPEED CONN FOR 210/215 IC	Santa Ana River	SWPPP, 401	10 acres	08/27/91	09/20/96	08/01/03	03/04/04	03/01/06
23	C1a	46412	RIV	074	27.7-32.5	REALIGNMENT AND WIDENING	Wason Creek	SWPPP, 401	35	1/2000	6/2001	3/2002	4/2002	1/2004
24	C1a	44401	SBD	210	20.6-22.9	CONSTRUCT 6-LANE FREEWAY (MF) & 2 HOV LANES (Segment 11) Need to Segment EA for Phase 2 work.	Santa Ana River Santa	SWPPP, 401	60 acres	08/27/91	09/20/96	08/01/03	07/02/03	03/01/06

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						Ana River								
25	C1a	44403	SBD	210	20.6-22.9	POR SEG 11-EARTHWORK, DRAINAGE, MSE & SOUNDWALLS, OTHR MISC	Santa Ana River	SWPPP, 401	40 acres	08/27/91	09/20/96	08/01/03	07/02/03	10/01/04
26	C1a	00719	SBD	215	9-10.1	ADD 2 HOV LANES AND OPERATIONAL IMPROVEMENTS	none	SWPPP		9/21/1989	1/4/2001	3/1/2005	1/1/2006	3/1/2008
27	C1a	44371	SBD	210	14.9-16.9	CONSTRUCT 6-LANE FREEWAY & 2 HOV LNS; CASMALIA AVE FRONTAGE RD AND LOCUST AND LINDEN AVENUES OC(Segment 8)	CACTUS BASINS	SWPPP	240		9/20/1996	3/1/2002	10/1/2002	4/1/2004
28	C1a	44381	SBD	210	16.9-18.3	CONSTRUCT 6-LANE FREEWAY & 2 HOV LNS (Segment 9)	Catus Basin	SWPPP, SEP	30		9/20/1996	3/1/2004	10/1/2004	10/1/2005
29	C1a	44391	SBD	210	18.6-20.6	CONSTRUCT 6 LN FREEWAY & 2 HOV LNS (Segment 10)	LYTLE CREEK	SWPPP, 303(d), 401	90		9/20/1996	3/1/2004	10/1/2004	10/1/2005
30	C1a	44402	SBD	210	20.6-22.9	PORTIONS SEG 11 - BRIDGES, DRAINAGE & IMPROVEMENTS	Santa Ana River	SWPPP, 401	10 acres	08/27/91	09/20/96	08/01/02	11/05/02	03/01/04
31	C1a	44404	SBD	210	22.9	POR SEG 11- BRIDGE WIDENING & IMPROVE 2 CONN FOR 30/215 IC	Santa Ana River	SWPPP, 401	10 acres	08/27/91	09/20/96	08/01/02	11/05/02	09/02/04
32	C1a	44406	SBD	210	20.6-22.9	POR SEG 11- LOCAL ST IMPR, STORM DRAIN & OTHER MISC IMPR	Santa Ana River	SWPPP, 401	20 acres	08/27/91	09/20/96	08/01/02	11/05/02	03/01/04
33	C1a	44392	SBD	210	18.6-20.6	POR SEG 10-LOCAL ST IMPR, BRIDGES, OTHER MISC IMPR	LYTLE CREEK	SWPPP, 303(d), 401	44		9/20/96	5/1/2002	12/1/2002	12/1/2003

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34	C1a	44395	SBD	210	18.6-20.6	POR SEG 10-CONSTRUCT SOUNDWALLS	LYTLE CREEK	SWPPP, 303(d), 401	44		9/20/96	5/1/2002	12/1/2002	9/1/2003
35	C1a	00715	SBD	215	6.6-7.6	ADD 2 HOV LANES AND OPERATIONAL IMPROVEMENTS (PS&E ONLY) SEE EA 00714 FOR R/W	none	SWPPP			1/4/2001	4/1/2003	12/1/2005	12/1/2007
36	C1a	00718	SBD	215	9-9.5	ADD 2 HOV LANES & OPERATIONAL IMPROVEMENTS	none	SWPPP		9/21/1989	1/4/2001	6/2/2005	2/15/2006	3/1/2008
37	C1a	44393	SBD	210	18.6-20.6	POR SEG 10- CONSTRUCT CREEK CROSSING & DRAINAGE IMPR	LYTLE CREEK	SWPPP, 303(d), 401	18		9/20/96	9/1/2002	4/1/2003	9/1/2004
									18					
38	C1a	48390	SBD	138	4.6-6	REALIGN BEEKLEY RD IS & INSTALL SIGNAL	none	SWPPP		3/24/1999	7/11/2000	11/1/2000	5/1/2001	12/1/2001
39	C1a	35450	SBD	010	10.1-12.1	RECONSTRUCT I-10/ETIWANDA AVE IC FR EXISTING 4-QUADRANT FULL-CLOVERLEAF IC TO PARTIAL CLOVERLEAF IC & REALIGN VALLEY BLVD RAMPS	Etiwanda Creek San Sevaine Flood Control Channel	SWPPP	20.4	1/6/2000	1/6/2000	9/1/2001	5/1/2002	5/1/2003
40	C1a	35841	SBD	038	5-14.9	PAVEMENT REHAB & WIDEN SHOULDERS (Includes 08- 35830K) (CE for replace pavement portion only)	Mill Creek Canyon	SWPPP, 303(d)	> 2 acres	7/24/1992	11/1/2000	9/2/2002	5/1/2003	1/1/2004

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41	C1a	34011	SBD	138	0-15.2	WIDEN FROM 2 LANES TO 4 LANES WITH MEDIAN LTL (Includes 34000K)	Sheep Creek, cajone canyon creek	SWPPP		7/31/1997	11/1/2002	7/1/2005	6/1/2006	8/1/2009
42	C1a	3564U	RIV	071	2.6-3	BRIDGE WIDENING & RAMPS MODIFICATION (PHASE 2) (44653K incl. in 98 STIP Augmentation and comb. w/this project for construction purposes)	Santa Ana River	SWPPP, 401, SEP	5.2	8/14/1996	7/1/1999	12/31/1999	7/5/2000	9/1/2001
43	C1a	00716	SBD	215	7.7-9	ADD 2 HOV LANES AND OPERATIONAL IMPROVEMENTS	Warm Creek, Lytle Creek	SWPPP			1/4/2001	9/1/2003	8/1/2004	3/1/2007
44	C1a	00717	SBD	215	4.1-6.7	ADD 2 HOV LANES AND OPERATIONAL IMPROVEMENTS	none none	SWPPP			1/4/2001	9/1/2003	8/1/2004	3/1/2007
45	C1b	37130	SBD	010	24.2-24.3	SEISMIC RETROFIT (SR 634)	Santa Ana River	SWPPP, 401	3	9/2/1997	11/12/1997	4/1/2001	1/1/2002	1/1/2005
46	C1b	47760	RIV	VAR		UPGRADE EXISTING GUARDRAIL END TREATMENTS	various	303(d), HR	3.21	9/1/1999	9/1/1999	1/31/2002	1/1/2003	8/1/2003
47	C1b	44383	SBD	210	17.1-18.3	CONSTRUCT AYALA AV IC AND LILAC AV PED OC	none	SWPPP	6			3/1/2002	10/1/2002	3/1/2004
48	C1b	43320	SBD	010	35.5-39.2	RECONSTRUCT INTERCHANGE AND WIDEN BRIDGE (OAK GLEN RD)	Wilson Creek	SWPPP	10	9/3/1998	9/3/1998	7/1/2003	11/1/2003	7/1/2006
49	C1b	49680	SBD	066	22.4	RETROFIT WHEELCHAIR RAMPS	Santa Ana	SWPPP	.2	11/24/1999	2/26/2001	6/4/2001	12/1/2001	2/1/2002
50	C1b	44384	SBD	210	14.9-	CONSTRUCT EAST HIGHLAND	cactus	SWPPP	30			8/1/2003	3/1/2004	3/1/2005

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Regional Work Plans

					17.8	CHANNEL	basin	401						
51	C1b	44382	SBD	210		CONSTRUCT NEW FRONTAGE ROADS	none	SWPPP	10			10/1/2001	5/1/2002	10/1/2002
52	C1b	4353U	RIV	091	11.2-17.4	CONSTRUCT AUX LANES & FIBER OPTIC COMMUNICATIONS SYSTEM		SWPPP		1/12/2000	4/17/2000	10/23/2000	6/7/2001	7/1/2007
53	C2	44970	SBD	083	0.9-1	REPLACE BRIDGE (Bridge Scour Project)	Santa Ana River	SWPPP, 303(d), 401	.4	10/30/1998	7/1/2003	9/1/2003	4/1/2004	4/1/2005
54	C2	47220	SBD	015	1-12.8	SLAB REPLACEMENT		SWPPP	20	11/10/1999	2/2/04	2/1/06	9/5/06	3/3/08
55	D2	44325	SBD	210	3.9-6.4	CONSTRUCT SOUNDWALLS (Segment 3) (Thru PA&ED to be done on 206210)	Cucamonga Creek	SWPPP, 401	48.3	9/17/1996	9/20/1996	7/1/2000	12/1/2000	3/1/2002
56	D2	44329	SBD	210	6.4-6.5	CONSTRUCT OVERCROSSING (Segment 3) (Thru PA&ED to be done on 206210)	None	SWPPP	Pending		9/20/1996	4/1/2000	5/25/2001	5/25/2001
57	D2	4432T	SBD	210	3.9-6.4	INSTALL 3 CCTV, 2 VDS & 4 RMS	Cucamonga/Alta Loma Creeks	SWPPP, 401	Under 44321	12/15/1999		4/1/2001	7/1/2001	11/1/2002
59	D2	44321	SBD	210	3.9-6.4	CONSTRUCT 6-LANE FREEWAY & 2 HOV LNS (Segment 3) (Thru PA&ED to be done on 206210) (STIP Amend 98S-32 appv 7/15/99 moved FY)	Cucamonga/Alta Loma Creeks	SWPPP, 401	62.5		9/19/1996	3/30/2001	8/31/2001	11/1/2002
59	D2	44324	SBD	210	5.1-5.7	CONSTRUCT OVERCROSSINGS (Segment 3) (Thru PA&ED to be done on 206210)	None	SWPPP	Under 44321		9/20/1996	1/1/2001	9/1/2001	11/1/2002

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60	D2	44326	SBD	210	3.9	CONSTRUCT RCB (Segment 3) (Thru PA&ED to be done on 206210)	Cucamonga Creek	SWPPP, 401	Under 44325		9/20/1996	1/1/2001	9/1/2001	11/1/2002
61	D2	44327	SBD	210	6.2	CONSTRUCT RCB (Segment 3) (Thru PA&ED to be done on 206210)	Alta Loma	SWPPP	Under 44321		9/20/1996	4/1/2001	9/1/2001	11/1/2002
62		47870	SBD	010	31.5	ROCK SLOPE PROTECTION		SWPPP	.3	1/1/2000	4/5/2000	6/1/2001	12/1/2001	3/1/2002
63		43310	SBD	210	31.3-31.8	CONSTRUCT DRAINAGE CHANNEL IMP	Santa Ana	SWPPP, 303(d), 401	6.9 ACRE	10/17/1997	12/1/2001	11/1/2001	6/1/2002	11/1/2002
64		44850	SBD	015	21.3-28.6	ADD NB LANE IN MEDIAN & CONVERT RT LANE TO TRUCK CLIMBING LANE (STIP Amendment 98S-48 appr 9/30/99 to slip to 01/02 FY)		SWPPP, 401	23 ACRE	2/27/1998	5/21/2001	12/1/2001	9/1/2002	11/1/2003

* Criteria

- SWPPP = Greater than 5 acres of land disturbance
- 303d = 303 (d) listed water body within project limits and affected by project
- 401 = 401 Certification/Waiver required
- SEP = Supplemental Environmental Project
- Retro = Storm Water Retrofit Project (SWMP 4.4.2)
- LT = Lahontan RWQCB specific requirements for the Lake Tahoe Hydrologic Unit
- HR = Project limits within High Risk Area
- RB = RWQCB designated project as a potential threat to water quality

**SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental documents final
- (D) Environmental documents final, design complete and project in the construction phase of project delivery

SECTION FIVE

Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
SBd	83	0.0-1.8	Crack sealing pavement in Nov.	Chino Creek	303(d)	Nov.	Unknown
SBd	SR-66	10.0-23.1	Clean Drains and remove storm drain deposits, Crack Seal and asphalt repairs	Lytle Creek	303(d)	Unknown	Unknown
SBd	SR-30	16.0-30.0	Clean Drains and remove storm drain deposits, Crack Seal and asphalt repairs	Lytle Creek	303(d)	Unknown	Unknown
SBd	SR-30	16.0-30.0	Clean Drains and Remove Storm Deposits, Crack Seal, Repair Asphalt as needed	City Creek, Santa Ana R.	303(d)	Unknown	Unknown
SBd	SR-38	51.9-59.4	Drain Cleaning	Big Bear Lake, Grout Creek	303(d)	Unknown	Unknown
SBd	SR-38	55.2-59.4	Berm Repair	Big Bear Lake, Grout Creek	303(d)	Unknown	Unknown
SBd	SR-38	39.4-59.4	Snow Removal	Big Bear Lake, Grout Creek	303(d)	Unknown	Unknown
SBd	SR-18	44.3-51.6	Drain Cleaning, and Berm Repair	Big Bear Lake, Rathbone Creek,	303(d)	Unknown	Unknown
SBd	SR-66	10.0-23.1	Clean Drains and Remove Storm Deposits, Crack Seal, Repair Asphalt as needed remove Storm Deposits	Lytle Creek	303(d)	Unknown	Unknown
SBd	SR-215	5.0-17.0	Clean Drains and Remove Storm Deposits, Crack Seal, Repair Asphalt as needed remove Storm Deposits	Lytle Creek, Cajon Wash	303(d)	Unknown	Unknown
Maintenance Facility and Activity Inspections							
For the year 2002-03 Beechers Corners, Burnt Mill, Essex, Hemet, Blythe, Keen Camp Maintenance Facilities will be inspected							
Various maintenance activities will be inspected, they include paving, crack sealing, and shoulder backing							
Maintenance Facility BMP Improvements							
Magana / Ortega Maintenance Facility is getting a new material storage building for Special Crews							

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Maintenance BMP Actions/Modifications					
Review FPPP at Maintenance Facilities. Determine its effectiveness. If there are deficiencies within the FPPP, then Maintenance will propose modifications for the following year.					
Improve BMPs at Vector sites					
Improve BMP's at Material Storage areas.					
Vegetation Management and Vegetated Slope Management					
<p>The District 8 Vegetation Control Plan (VCP) for FY 2002/03 is complete. The VCP goal is to minimize the discharge of the chemicals to receiving waters by reducing chemical use for vegetation control. The VCP includes the following major items:</p> <ul style="list-style-type: none"> • Type of chemical to be applied and form (dry or liquid) • Application locations, lengths, widths, total area, rates, frequency, total amount • Reason for application • Mowing program 					
Vegetated Slope Evaluation					
	Route/PM	County	Inspection Schedule	Remediation Action Planned	
	10	SBd	2002		
	60	SBd	2002		
	60	RIV	2002		
	91	RIV	2002		

(1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and The Department staff.

(2) Criteria

- SWPPP = Greater than 5 acres of land disturbance
- 303d = 303 (d) listed water body with project limits and affected by project
- 401 = 401 Certification/Waiver required
- SEP = Supplemental Environmental Project

SECTION FIVE

- Retro = Storm Water Retrofit Project (SWMP 4.4.2)
- LT = Lahontan RWQCB specific requirements for the Lake Tahoe Hydrologic Unit
- HR = Project limits within High Risk Area
- RB = RWQCB designated projects as a potential threat to water quality

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 01/02. Additional Monitoring will take place within the San Jacinto River Watershed as required under Santa Ana Regional Water Quality Control Board Order No. 01-34. Specific monitoring sites have not yet been identified, but monitoring along SR 74 between Lake Elsinore and Perris is expected in conjunction with projects there.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program (CCMP). Monitoring results are provided in the annual report. In addition to the CCMP, the District Construction Division conducts internal audits of construction sites. These audits "rate" the performance of the construction sites in the same fashion as the CCMP.
Training and Public Outreach
1. Training will be provided to Design Staff upon completion of the latest revision of the Project Planning and Design Guide
2. Training is an on going process for maintenance. All crews are shown the videos of (Storm Water Quality Training For Maintenance) Course # G31430. The Storm Water Coordinator gives training as needed to all maintenance crews regarding BMP's and environmental concerns. Field Supervisors train, review and document BMP's used on maintenance activities at facilities and in the field for maintenance employees. Storm water training is also given in conjunction with Hazmat training. Additional training will be provided as the new maintenance guidelines are completed. Supervisors and Superintendents receive additional Storm Water training at one of the training sessions at the Maintenance Academy in Kingvale. Maintenance Public Affair Officers distribute Storm Water literature provided from Headquarters' Environmental Section at various Maintenance functions, job fairs, Southern Equipment Rodeo, open houses, Route 66 Rendezvous, etc.
3. Training is an on going process for the Construction Division. All construction field office personnel have been through a 6 hr class, "Storm Water Control on Construction Projects " /#G0C017. All construction field office Seniors and Resident Engineers are also to attained a "Storm Water Control on Construction Projects Management" this class is currently being scheduled. For new employees and those who were unable to attend the original classes there will be additional classes scheduled. The District Construction Division conducts training sessions in the Districts field offices and provides assistance reviews in the same fashion as the CCMP.

SECTION FIVE

Regional Work Plans

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

District Storm Water Unit staff will again participate in the Environmental Expo, to be held at Cal State San Bernardino. Staff from the District Storm Water Unit will demonstrate the effects of all-too-common activities (excessive pesticide and fertilizer use, dumping used motor oil in stormdrains, poor erosion control practice, etc) on Non-point Source storm water pollution using the District's Enviroscope watershed model. Hand-outs describing the Department' Storm Water Program will be distributed.
The District Storm Water Unit will also demonstrate the Enviroscope watershed model as part of the District's "Bring your Child to Work Day". The model will be displayed for children of District employees between the ages of 6 and 16.
The District Storm Water Unit, with the assistance of the District Public Affairs Unit, will seek out additional public information opportunities at County Fairs, schools, and other public events.
Municipal Coordination
District Storm Water Unit staff will participate in monthly coordination meetings of the Riverside County/Santa Ana Region MS4 Co-Permitees
District Storm Water Unit staff will participate in monthly coordination meetings of the San Bernardino/Santa Ana Region MS4 Co-Permitees
District Storm Water staff will also participate in TMDL workgroups for Big Bear Lake, Canyon Lake/Lake Elsinore, and the Chino Basin.

**REGIONAL
WATER QUALITY
CONTROL BOARD**

REGION

8

CALTRANS DISTRICT

12

PREPARED FOR **THE STATE WATER RESOURCES CONTROL BOARD**

STORM WATER MANAGEMENT PROGRAM

REGIONAL WORK PLAN FOR FISCAL YEAR 2002/2003

REGION 8

**SANTA ANA REGIONAL
WATER QUALITY CONTROL BOARD**

CTSW-RT-01-075



California Department of Transportation

District 12

3337 Michelson Drive, Suite 380

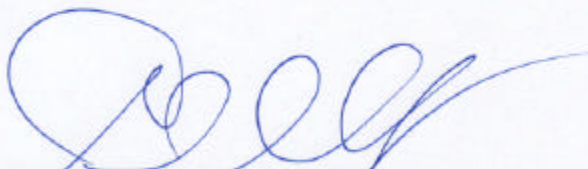
Irvine, CA 92612-8894

April 1, 2002

**CERTIFICATION
REGIONAL WORK PLAN
California Regional Water Quality Control Board
Santa Ana Region 8
Fiscal Year 2002/2003
April 1, 2002**

CALIFORNIA DEPARTMENT OF TRANSPORTATION DISTRICT 12

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]


For Cindy Quon
District Director

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1.0 INTRODUCTION

The purpose of the Regional Work Plans (RWPs) is to describe how the Districts will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board during Fiscal Year 2002-2003 as required by the Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on District 12 facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DISTRICT 12 PERSONNEL AND RESPONSIBILITIES

Portions of District 12 fall within the jurisdiction of the Santa Ana Regional Water Quality Control Board, Region 8 (coverage area). Organization charts for District 12 are included in Figure 2-1. Staff responsible for implementing the SWMP within the Santa Ana RWQCB jurisdiction are listed in Table 2-1.

TABLE 2-1: DISTRICT 12 STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Grace Piña-Garrett	District 12, NPDES Storm Water Coordinator	(949) 724-2189	Grace_pina-garrett@dot.ca.gov	Primary contact for all storm water issues. Oversees all NPDES office employees within the District.
Hector Salas	Environmental Specialist (NPDES Unit)	(949) 724-2625	Hector_Salas@dot.ca.gov	Under the Direction of the District Storm Water Coordinator, the Environmental Specialist ensures permit compliance from all functional units. Contacts and submits all information to RWQCB (NOC, NCC, Non-compliance)
Behrooz Pirzadeh	Construction Storm Water Coordinator	(949) 724-2188	Behrooz_pirzadeh@dot.ca.gov	Review and Approve SWPPP/ WPCP Documents. Liaison between field Construction and NPDES Unit
Carol Lonebear	Maintenance Storm Water Coordinator	(949) 440-4466	Carol_Lonebear@dot.ca.gov	Liaison between Maintenance field crews and Storm Water Unit. Inspects Maintenance facilities and provides training to Maintenance field personnel.
Leslie Manderscheid	Environmental Planning Storm Water Coordinator	(949) 724-2122	Leslie_Manderscheid@dot.ca.gov	Environmental Liaison to the NPDES Unit. Reviews projects in the planning and environmental document
Daniel Hing	Right of Way Representative	(949) 724-2145	Daniel_Hing@dot.ca.gov	Conducts Airspace Lease Inspections for Water Quality

In compliance with Permit Section M. 10. b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the State Water Resources Control Board or the Regional Water Quality Control Board(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions	Documents Authorized for Signature
Design Branch Chiefs	Notification of Construction (NOC)
Resident Engineers	Notice of Completion of Construction (NCC), SWPPP Approval
Chief, NPDES Unit	Transmittals to RWQCB <ul style="list-style-type: none"> Discharge or Threat of Discharge Notification Notice of Non-Compliance Notifications
Maintenance SWC	Facility Pollution Prevention Plan (FPPP)

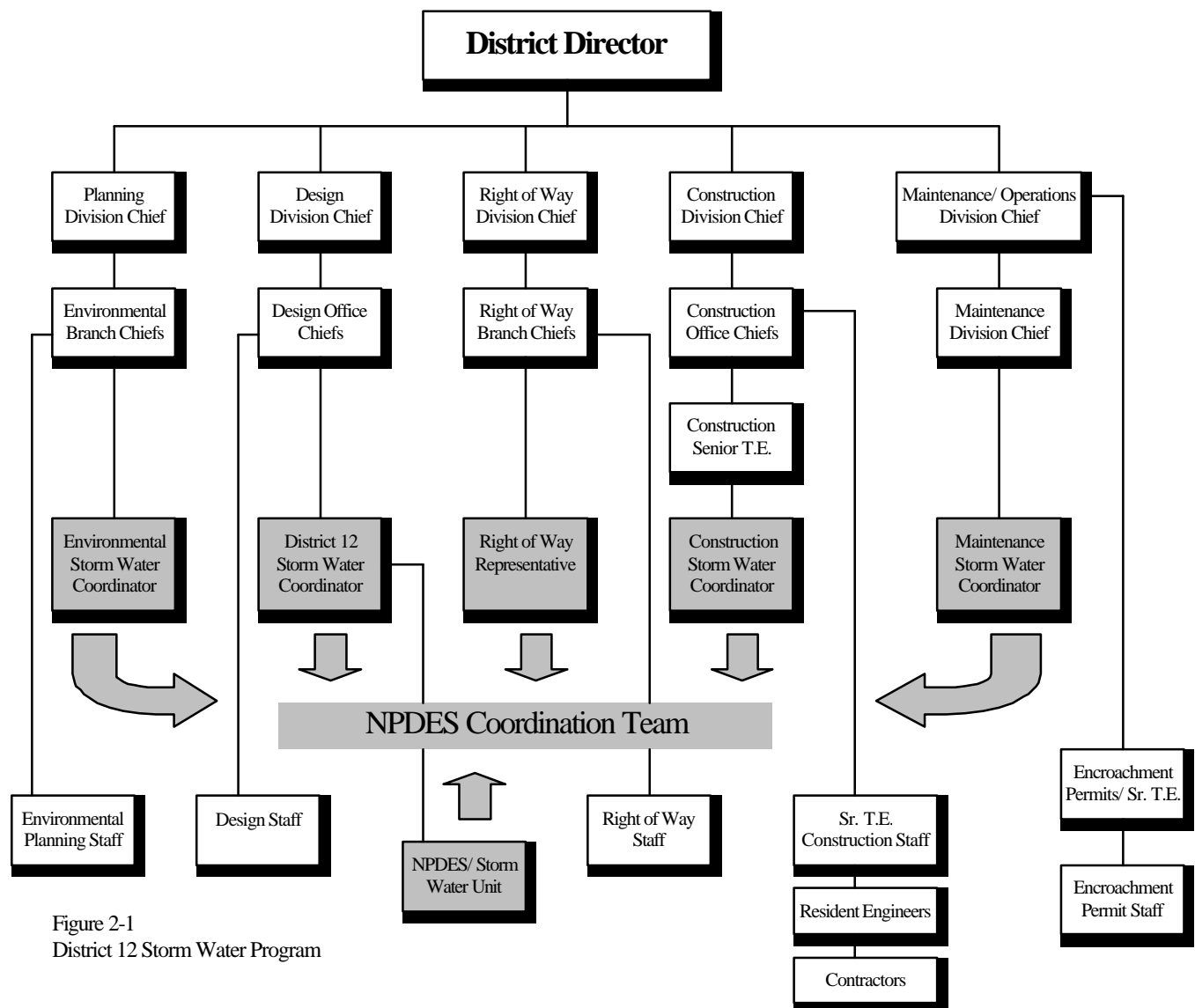


Figure 2-1
District 12 Storm Water Program

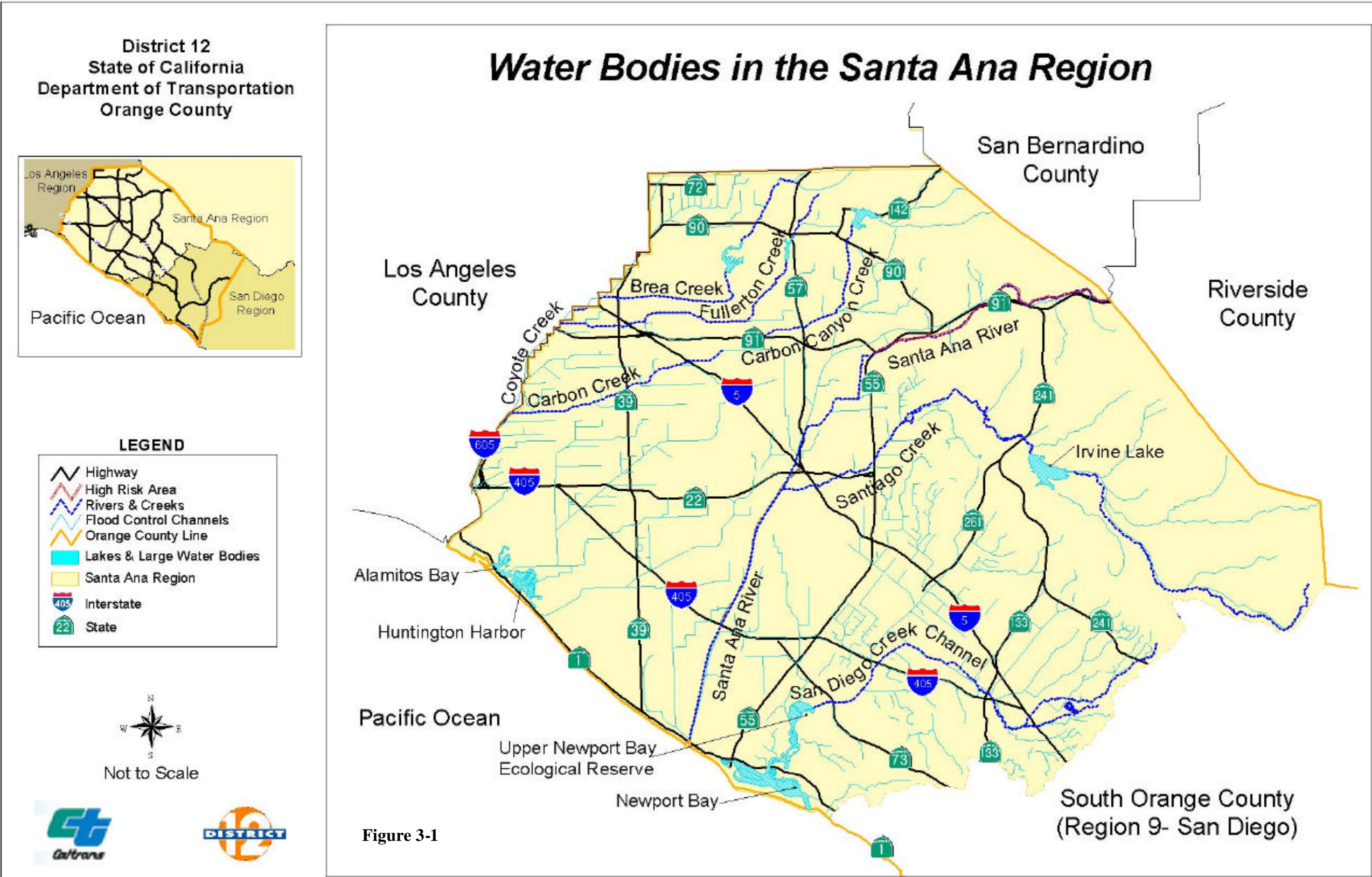
3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies the Department facilities and water bodies within District 12 and the Santa Ana Regional Board jurisdiction. A list of facilities, excluding roadways, is presented in Table 3-1. A map showing the District 12 boundaries within the Santa Ana RWQCB and major roads and highways is presented on Figure 3-1.

TABLE 3-1: DISTRICT 12 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
Orange	5	23.9	Sand Canyon	Landscape Maintenance
Orange	22	13.0	Orange	Highway Maintenance
Orange	22	R.0.7	Bolsa Chica	Landscape Maintenance
Orange	39	10.7	Stanton	Highway Maintenance
Orange	55	26.5	Costa Mesa	Landscape Maintenance
Orange	57	13.5	Batavia	Highway Maintenance
Orange	57	21.4	Brea	Highway Maintenance
Orange	57	21.4	Brea	Landscape Maintenance
Commercial Vehicle Enforcement Facilities				
Orange	91	13.8	Peralta	Westbound
Orange	91	13.6R	Peralta	Eastbound
Park and Ride Facilities				
Orange	5	25.0	Jeffery	I-5 at Jeffery Road, Irvine
Orange	55	16.7	Lincoln	SW Corner of SR-55
Toll Road and Bridge Plazas				
Orange	73	18.7	Catalina	Toll Plaza
Orange	91	16.4	Gypsum Canyon	Toll Plaza
Orange	133	13.2	Orange Grove	Toll Plaza
Orange	241	36.0	Windy Ridge	Toll Plaza
Orange	241	25.9	Tomato Springs	Toll Plaza
Orange	261	2.7	Portola Parkway	Toll Plaza

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on the Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com>



4.0 HIGH RISK AREAS

A list of high risk areas within District 12 are presented in Table 4-1. High risk areas are defined in Section E.2 of the Permit to include areas such as locations where spills from the Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the Regional Water Quality Control Board (RWQCB) and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities District 12 first contacted known public and private water supply providers. From the information received, District 12 determined which facilities were susceptible to a direct spill from the Department activity or facility. This determination was based on proximity between the water body and the Department facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
SR-91, PM008.57/ 018.91	Orange	Santa Ana River Recharge Basins/ Orange County Water District	<p>The Orange County Water District is responsible for managing the underground water reserves that supply about 500 wells within district boundaries. At the present time about 270,000 acre-feet of this water is pumped for use each year. Groundwater reserves are maintained by a recharge system, which replaces water that is pumped from wells. OCWD's facilities have a recharge capacity of approximately 300,000 acre-feet per year. About two million people depend on this source for more than three-quarters of their water.</p> <p>Along a six-mile section of the Santa Ana River that belongs to OCWD, a system of diversion structures and recharge basins captures most of the water that would otherwise flow into the Pacific Ocean. The district has 1500 acres of land for use in its recharge program.</p> <p>SR-91 Runs parallel to The Santa Ana River, upstream from the OCWD Recharge Basins and discharges directly into the Santa Ana River.</p>	

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when significant maintenance activities are initiated during the year. These projects are updates to the RWP provided in April 2001.

Table 5-1 includes a list of construction projects that meet one or more of the following criteria:

- The project involves greater than 5 acres (1 acre after 2003) of land disturbance, designated as “SWPPP”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and Caltrans) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are with a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB.”

The information presented in Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated significant maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program

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Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
1	D	0408A	ORA	022	00.6	SOUNDWALL	BOLSA CHICA CHANNEL	SWPPP		9/11/89	1/1/01	5/1/01	1/1/02	8/1/02
2	D	0408C	ORA	022	01.9	SOUNDWALL #3	BOLSA CHICA CHANNEL	SWPPP		9/11/89	1/1/01	6/1/01	1/1/02	8/1/02
3	D	05328	ORA	022	05.8	SOUNDWALLS #1	BOLSA CHICA CHANNEL	SWPPP		12/1/89	11/1/00	8/1/01	3/1/02	3/1/03
4	D	04089	ORA	022	04.8	SOUNDWALLS #2	WESTMINSTER CHANNEL	SWPPP		12/1/89	11/1/00		4/1/02	4/1/03
5	C	0164A	ORA	090	11.8	WIDEN TO 8 LANES	COYOTE CREEK	SWPPP		12/2/91	2/1/00		3/1/02	3/1/03
6	C	0164M	ORA	090	00.5	WIDEN TO 6 LANES	COYOTE CREEK	SWPPP		12/2/91	12/1/97		3/1/02	11/1/03
7	C	0164N	ORA	090	02.5	WIDEN TO 6 LANES	COYOTE CREEK	SWPPP		12/2/91	12/1/97		3/1/02	11/1/03
8	C	0A960	ORA	073	14	FULL ININTERCHANGE IMPROVEMENT INCL	SAN DIEGO CREEK	SWPPP/303(d)		4/1/00	7/1/00		4/1/02	11/1/02
9	C	0164P	ORA	090	05.5	WIDEN TO 6 LANES	LOFTUS CHANNEL	SWPPP		12/2/91	12/1/97		5/1/02	12/1/04
10	C	08510	ORA	039	19.2	REHAB RDWY	COYOTE CREEK CHANNEL	SWPPP		7/15/98	7/1/98		6/1/02	12/1/02
11	C	07920	ORA	605	00.0	ADD HOV LNS	LOS ALAMITOS CHANNEL	SWPPP		10/15/97	7/1/99		6/1/02	12/1/03

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
12	C	02982	ORA	405	11.3	REHAB AC PVMT	SANTA ANA RIVER	SWPPP		6/30/94	7/1/99		6/1/02	6/1/03
13	C	09000	ORA	142	01.4	WIDEN HWY	SOQUEL CANYON CREEK	SWPPP		3/1/99	5/1/00		7/1/02	3/1/03
14	C	0E810	ORA	039	05.5	WIDEN UC AND REALIGN EXISTING RAMPS	GARDEN GROVE EAST WINTERSBURG CHANNEL	SWPPP		7/1/00	8/1/01		7/1/02	12/1/02
15	C	0A200	ORA	605	3.1	CONNECTOR ALIGNMENT REVISION	LOS ALAMITOS CHANNEL	SWPPP		10/7/99	12/1/00		7/1/02	11/1/02
16	C	07530	ORA	091	13.5	HWY PLANTING RESTORATION	SANTA ANA RIVER	SWPPP/HR		10/16/97	1/1/01		8/1/02	8/1/06
17	C	07540	ORA	091	06.4	HWY PLANTING RESTORATION	SANTA ANA RIVER	SWPPP		10/16/97	7/1/01		8/1/02	8/1/06
18	C	07600	ORA	091	08.5	HWY PLANTING RESTORATION	SANTA ANA RIVER	SWPPP/HR		10/6/97	4/1/01		8/1/02	8/1/06
19	C	0C840	ORA	261	03.2	UPGRADE & ENHANCE LANDSCAPE	PETERS CANYON WASH	SWPPP		11/15/00	5/1/01		8/1/02	2/1/03
20	C	0164Q	ORA	090	05.6	INTERSECTION IMPROVEMENT	LOFTUS CHANNEL	SWPPP		12/2/91	12/1/94		8/1/02	3/1/04
21	C	0E400	ORA	055	07.6	REPLACE OR CORRECT APPROACH AND	LANE CHANNEL			8/31/00	9/1/00	1/30/01	9/1/02	1/1/03
22	C	08410	ORA	405	09.8	HWY PLANTING RESTORATION	DELHI CHANNEL	SWPPP		10/16/97	3/1/01		8/1/02	8/1/04

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Regional Work Plans

TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
23	C	0E050	ORA	091	10.3	DOWEL RETROFIT TRUCK LANES BOTH DIRECTIONS	SANTA ANA RIVER	HR		8/15/00	8/1/01		8/1/02	6/1/03
24	C	09670	ORA	405	03.7	INTERCHANGE IMPROVEMENTS	BOLSA CHICA CHANNEL	SWPPP		2/11/00	3/1/00		11/1/02	7/1/03
25	C	0C400	ORA	405	02.6	INTERCHANGE IMPROVEMENT	SAN DIEGO CREEK	SWPPP/303(d)		4/1/01	8/1/01		3/1/03	8/1/03
26	C	09820	ORA	405	22.3	WIDEN OC AND MODIFY RAMPS	SAN DIEGO CREEK	SWPPP/303(d)		2/1/01	2/1/01		3/1/03	8/1/04
27	C	08620	ORA	405	05.8	OPERATIONAL IMPROVEMENTS	SAN DIEGO CREEK	SWPPP/303(d)		10/30/98	4/1/00		3/1/03	12/1/04
28	C	00310	ORA	405	17.0	WIDEN OC	BOLSA CHICA CHANNEL	SWPPP		1/17/96	2/1/96		4/1/03	8/1/04
29	C	0C110	ORA	057	19.9	RECONFIGURE RAMP AT SR-57 & LAMBERT	TONNER CREEK	SWPPP		2/1/01	1/1/02		4/1/03	4/1/04
30	C	0E800	ORA	405	02.1	AUXILIARY LANE	SAN DIEGO CREEK	SWPPP/303(d)		12/18/00	2/1/01		6/1/03	12/1/03
31	C	08950	ORA	005	29.0	WIDEN NB OFFRAMP	EL MODENA - IRVINE CHANNEL	SWPPP		10/29/98	11/1/00		6/1/03	6/1/04
32	C	0E040	ORA	091	13.8	DOWEL RETROFIT TRUCK LANES BOTH DIRECTIONS	SANTA ANA RIVER	HR		9/1/01	9/1/01		7/1/03	12/1/03
33	C	0E360	ORA	405	00.2	DOWEL BARS RETROFIT #3 AND #4 INS	SAN DIEGO CREEK	303(d)		1/14/00	7/1/00		7/1/03	12/1/03

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
34	C	08390	ORA	405	21.6	HWY PLANTING & RESTORATION	BOLSA CHICA CHANNEL	SWPPP		10/6/97	9/1/01		8/1/03	12/1/04
35	C	07930	ORA	405	20.6	CONST MTCE STATION	BOLSA CHICA CHANNEL	SWPPP		10/23/97	3/1/01		8/1/03	2/1/05
36	C	0E390	ORA	039	15.8	BRIDGE REPLACEMENT AND UPGRADE CO	COYOTE CREEK CHANNEL	SWPPP		9/1/01	9/1/01		8/1/03	12/1/04
37	C	08200	ORA	022	11.0	MODIFY RAMPS	SANTA ANA RIVER	SWPPP		4/1/01	6/1/01		8/1/03	8/1/04
38	C	0932U	ORA	405	02.1	ADD AUXILIARY LANE	SAN DIEGO CREEK	SWPPP/303(d)		9/2/99	2/1/01		8/1/03	8/1/04
39	C	00542	ORA	405	06.8	CONST HOV DROP RAMPS	DELHI CHANNEL	SWPPP		6/26/92	10/1/94		9/1/03	1/1/06
40	C	08790	ORA	022	07.8	MODIFY INTERCHANGE	GARDEN GROVE WINTERSBURG CHANNEL	SWPPP		10/1/99	2/1/01		12/1/03	1/1/06
41	C	0E320	ORA	057	21.1	REGRADE SLOPE	TONNER CREEK			12/1/01	6/1/02		1/1/04	3/1/05
42	C	00543	ORA	405	09.6	CONST HOV DROP RAMP	DELHI CHANNEL	SWPPP		6/26/92	10/1/94		4/1/04	7/1/06
43	C	0A740	ORA	405	6.4	HIGHWAY PLANTING	SAN DIEGO CREEK	SWPPP/303(d)		9/1/99	6/1/00		6/1/04	12/1/04
44	C	0E060	ORA	405	16.9	DOWEL RETROFIT TRUCK LANES BOTH DIR	WESTMINSTER CHANNEL			1/17/01	12/1/00		7/1/04	11/1/05

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
45	C	09321	ORA	405	03.9	ADD AUXILIARY LANE	SAN DIEGO CREEK	SWPPP/303(d)		9/2/99	10/1/01		7/1/04	7/1/05
46	C	09490	ORA	405	17.2	CONNECT ROADWAYS MODIFY STRUCTURE	WESTMINSTER CHANNEL	SWPPP		2/1/01	7/1/02		7/1/04	7/1/05
47	C	00550	ORA	055	07.5	CONST OC & HOV ACCESS RAMPS	LANE CHANNEL	SWPPP		9/28/92	12/1/01		4/1/05	4/1/07
48	C	0C870	ORA	005	72.0	HWY PLANTING RESTORATION	COYOTE CREEK	SWPPP		10/1/01	12/1/01		7/1/05	12/1/05
49	C	0E880	ORA	055	06.3	HIGHWAY PLANTING RESTORATION	LANE CHANNEL	SWPPP		10/1/00	2/1/01		9/1/05	3/1/06
50	C	0E910	ORA	055	02.0	HIGHWAY PLANTING RESTORATION	NEWPORT BAY	SWPPP/303(d)		10/1/00	3/1/01		9/1/05	3/1/06
51	C	0E870	ORA	057	16.6	HIGHWAY RESTORATION	CARBON CREEK	SWPPP		10/1/00	3/1/01		9/1/05	3/1/06
52	C	0E900	ORA	057	15.4	HIGHWAY PLANTING RASTORATION	SANTA ANA RIVER	SWPPP		10/1/00	3/1/01		10/1/05	6/1/06
53	C	0A750	ORA	405	19.6	PLANTING REHABILITATION	BOLSA CHICA CHANNEL	SWPPP		9/1/99	6/1/00		7/1/06	7/1/07
54	C	0E890	ORA	091	00.0	HIGHWAY PLANTING RESTORATION	COYOTE CREEK	SWPPP		10/1/00	4/1/01		8/1/06	1/1/07
55	C	0E860	ORA	091	15.6	INSTALL ROADSIDE REST AREA	SANTA ANA RIVER	SWPPP/HR		9/1/00	12/1/00		9/1/06	5/1/07
56	B	01430	ORA	055	09.0	RECONSTRUCT NB RAMPS	SANTA FE CHANNEL	SWPPP		5/19/98			1/1/03	4/1/04

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
57	B	0C750	ORA	090	5.6	ROAD INTERSECTION WIDENING	LOFTUS CHANNEL	SWPPP		10/1/01	12/1/01		2/1/03	6/1/05
58	B	0C640	ORA	005	26.8	PROVIDE A TWO EXIT LANES AT THE	PETERS CANYON WASH	SWPPP		11/1/01	5/1/02		3/1/03	8/1/03
59	B	0E250	ORA	055	07.0	CONSTRUCT SB AUXILIARY LANE BETWEEN	LANE CHANNEL	SWPPP		8/22/00	11/1/01		5/1/03	9/1/03
60	B	0E350	ORA	005	27.5	WIDENING RTE 5 SB/NB JAMBOREE ROAD	PETERS CANYON WASH	SWPPP		8/1/00	2/1/02		6/1/03	6/1/04
61	B	0A730	ORA	005	22.2	PLANTING REHABILITATION	SAN DIEGO CREEK	SWPPP/ 303(d)		7/1/99	5/1/02		8/1/03	9/1/07
62	B	0A970	ORA	073	24.8	WIDEN JAMBOREE ROAD BRIDGE OVER	UPPER NEWPORT BAY	SWPPP/ 303(d)		7/1/02	9/1/02		9/1/03	4/1/04
63	B	06820	ORA	022	00.7	WIDEN OC	BOLSA CHICA CHANNEL	SWPPP		8/1/01	12/1/01		9/1/03	12/1/04
64	B	03630	ORA	001	25.9	DRAINAGE IMPROVEMENTS	PACIFIC OCEAN	SWPPP		9/1/00	9/1/02		9/1/05	9/1/07
65	B	09030	ORA	001	27.0	CONST OCEAN INLET BRIDGE	PACIFIC OCEAN	SWPPP		9/1/01	3/1/02		9/1/03	9/1/05
66	B	0C740	ORA	057	20.8	MODIFY AND WIDENING NB ON-RAMP	TONNER CREEK	SWPPP		10/1/01	12/1/01		12/1/03	1/1/05
67	B	0E330	ORA	073	16.6	WIDEN COLLECTOR RAMP TO LAGUNA CYN	SAN DIEGO CREEK	SWPPP		8/1/00	9/1/02		12/1/03	5/1/04

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
68	B	0A660	ORA	005	23.9	REMODEL EXISTING TCA TRANSIT BUILD-	SAN DIEGO CREEK CHANNEL	SWPPP		12/1/99	3/1/01		1/1/04	5/1/06
69	B	0C590	ORA	091	9.3	OPERATIONAL IMPROVEMENT AT LAKEVIEW	SANTA ANA RIVER	HR		12/1/01	12/1/02		3/1/04	2/1/05
70	B	08521	ORA	091	17.4	ELIMINATE W/B LANE DROP EXTEND WB	SANTA ANA RIVER	SWPPP/HR		12/31/98	9/1/02		6/1/04	1/1/06
71	B	0C570	ORA	091	1	CONVERT WB AUXILIARY LANES AT VARIO	CARBON CREEK			12/1/01	11/1/02		6/1/04	6/1/05
72	B	07570	ORA	405	03.7	HWY PLNTG AND RESTORATION	SAN DIEGO CREEK	SWPPP/303(d)		10/6/97	1/1/03		8/1/04	8/1/05
73	B	07560	ORA	055	05.3	HWY PLANTING RESTORATION	DELHI CHANNEL	SWPPP		11/6/97	5/1/03		8/1/04	8/1/08
74	B	0E080	ORA	405	17.1	TO CONSTRUCT A NEW RAMP @ SUSAN ST	WESTMINSTER CHANNEL	SWPPP		11/1/01	12/1/02		8/1/04	3/1/05
75	B	09840	ORA	055	01.5	ADD LANES NB&SB	NEWPORT BAY	SWPPP/303(d)		9/27/00	11/1/02		8/1/04	8/1/05
76	B	07161	ORA	022	00.9	CONSTRUCT HOV LANES	BOLSA CHICA CHANNEL	SWPPP		8/3/89	2/1/02		8/1/04	8/1/07
77	B	08440	ORA	57	12.9	HIGHWAY PLANTING RESTORATION	LOFTUS CHANNEL	SWPPP		10/6/97	3/1/03		9/1/04	6/1/05
78	B	05620	ORA	090	11.5	CONST GRADE SEP	SANTA ANA RIVER	SWPPP		5/9/95	4/1/01		10/1/04	10/1/06

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

No.	SWMP Category**	EA #	Co.	Route	PM	Description	Water Bodies Affected	Criteria*	Land Disturbance Acreage	Anticipated Project Development Schedule			Construction Period	
										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
79	B	0C510	ORA	005	34.1	WIDENING BRIDGE	SANTA ANA RIVER	SWPPP		2/21/85	7/1/02		1/1/05	11/1/06
80	B	0C770	ORA	405	13.9	CONSTRUCT AUXILIARY LANE	FOUNTAIN VALLEY CHANNEL	SWPPP		9/1/01	6/1/02		1/1/05	8/1/06
81	B	07810	ORA	055	16.1	CONSTRUCT NEW INTERCHANGE	SANTA ANA RIVER	SWPPP			12/1/02		1/1/05	3/1/06
82	B	0C780	ORA	405	12.8	CONSTRUCT AUXILIARY LANES	SANTA ANA RIVER	SWPPP		9/1/01	7/1/02		2/1/05	2/1/06
83	B	0C010	ORA	005	20.2	AESTHETIC ENHANCEMENT ON BRIDGES	SAN DIEGO CREEK	303(d)		12/1/00	6/1/01		3/1/05	5/1/06
84	B	0C760	ORA	405	14.8	CONSTRUCT AUXILIARY LANE	GARDEN GROVE CHANNEL	SWPPP		9/1/01	7/1/02		3/1/05	5/1/06
85	B	0C790	ORA	405	12.7	CONSTRUCT AUXILIARY LANE	SANTA ANA RIVER	SWPPP		9/1/01	4/1/02		4/1/05	5/1/06
86	B	0C020	ORA	005	34	AESTHETIC ENHANCEMENT SCULPTURE AND	SANTA ANA RIVER			12/1/00	6/1/01		4/1/05	1/1/06
87	B	0A710	ORA	405	0	CONSTRUCT 28 MI OF URBAN RAIL SYSM	SAN DIEGO CREEK	SWPPP/ 303(d)		7/1/02	12/1/02		5/1/05	4/1/06
88	B	0A760	ORA	405	15.3	CONSTRUCT AUXILIARY LANES	GARDEN GROVE CHANNEL	SWPPP		7/1/00	2/1/02		6/1/05	12/1/06

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TABLE 5-1: DISTRICT 12 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

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										Project Scoping (PID) Preliminary Env. Evaluation	Project Dev. (PA&ED) - Draft EIS/EIR	Final Design (PS&E) - Permits & Mitigation	Start Date	Completion Date
89	B	07820	ORA	022	09.0	RELOCATE AND MODIFY RAMP	ANAHEIM BARBER CITY CHANNEL	SWPPP		10/30/98	2/1/02		8/1/05	8/1/08
90	B	0C560	ORA	091	8.1	PROVIDE A THROUGH LANE FROM NB	SANTA ANA RIVER	SWPPP/HR		9/1/01	6/1/03		11/1/05	4/1/06
91	B	0E790	ORA	405	13.4	WIDEN OC	FOUNTAIN VALLEY CHANNEL	SWPPP		7/1/01	7/1/02		11/1/05	4/1/07
92	B	0C600	ORA	005	42.1	WIDEN AND RECONSTRUCT FREEWAY	FULLERTON CREEK	SWPPP		3/1/96	8/1/01		4/1/06	6/1/07
93	B	07162	ORA	022	00.7	WIDEN INTERCHANGE & CONSTRUCT CONN	BOLSA CHICA CHANNEL	SWPPP			2/1/02		2/1/06	5/1/09
94	B	0C030	ORA	055	6.4	ADD HOV LANES & AUXILLIARY LANES	LANE CHANNEL	SWPPP		6/1/01	6/1/03		6/1/06	6/1/08
95	B	0C120	ORA	057	21.2	RECONSTRUCT CLIMBING AUXILIARY LANE	TONNER CREEK	SWPPP		9/1/01	7/1/04		4/1/07	7/1/09
96	B	07160	ORA	022	00.7	WIDEN FREEWAY & ADD CONNECTORS	BOLSA CHICA CHANNEL	SWPPP		8/3/89	4/1/02			
97	B	06980	ORA	005	35.2	STRC & LANDSC AESTHETIC ENHANCEMENT	SANTA ANA RIVER	SWPPP		11/22/95				

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* Criteria

SWPPP = Greater than 5 acres of land disturbance
303d = 303 (d) listed water body within project limits and affected by project
401 = 401 Certification/Waiver required
SEP = Supplemental Environmental Project
Retro = Storm Water Retrofit Project (SWMP 4.4.2)
HR = Project limits within High Risk Area
RB = RWQCB designated project as a potential threat to water quality

** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents are final
- (D) Environmental documents final, design complete and project in the construction phase of project delivery

Note: Actual dates are provided in *Italics*

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TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
Orange	SR-1	5.8-32.7	Repair and Replace curbs and sidewalk.	Pacific Ocean	None	6/10/01	8/10/02
Orange	SR-39	1.6-22.7	Repair and Replace curbs and sidewalk.	Coyote Creek	None	6/10/01	8/10/02
Orange	SR-90	0.5-12.8	Repair and Replace curbs and sidewalk.	Coyote Creek	None	6/10/01	8/10/02
Orange	SR-72	11.4-11.9	Repair and Replace curbs and sidewalk.		None	6/10/01	8/10/02
Orange	SR-57	12.5-22.5	At On- and Off-ramps, from Katella Ave. to the LA County Line, Seal coat	Loftus Channel, Carbon Creek	None	6/15/02	8/15/02
Orange	SR-39	3.1-8.8	On Beach Blvd, At various locations from Ellis Ave. to Acacia Blvd., SB lane #4, 6' wide Conform grind and thin blanket GGRAC	GARDEN GROVE EAST WINTERSBURG CHANNEL	None	2002	2002
Orange	SR-142	2.9-6.35	On Carbon Canyon Rd., from Park Entrance to San Bernardino County Line, Seal coat	Soquel Canyon Creek	None	2002	2002
Orange	SR-90	2.5-5.1	On Imperial Hwy, from Harbor Blvd to Randolph Ave., Seal coat	Loftus Channel	None	2002	2002
Orange	SR-39	12.6/17.3	AC Overlay, both directions, Mainline lanes variable width	Coyote Creek	None	2002/2003	2002/2003
Orange	SR-39	3.1/8.6	AC overlay lane #4, various locations	Coyote Creek	None	2002/2003	2002/2003
Orange	SR-73	22.5/24.3	AC overlay both directions, Mainline lanes variable width	Upper Newport Bay	303(d)	2002/2003	2002/2003
Orange	SR-39	3.1/8.6	Lane #4 Partial Grinding	Coyote Creek	None	2002/2003	2002/2003
Orange	I-5	26.3/24.7	AC Grinding full width various lanes	San Diego Creek	303(d)	2002/2003	2002/2003

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TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Significant Road Maintenance Activities (1) (con't)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
Orange	SR-405	5.4/10.2	AC Grinding full width outside shoulder	Delhi Channel	303(d)	2002/2003	2002/2003
Orange	I-5	30.4/31.4	AC Grinding full width all lanes		None	2002/2003	2002/2003
Orange	SR-39	3.1/8.6	AC Overlay N/B mainline lanes full width	Garden Grove East Wintersburg Channel	None	2002/2003	2002/2003
Orange	SR-39	3.1/8.6	Lane #4 partial grinding	Garden Grove East Wintersburg Channel	None	2002/2003	2002/2003
Maintenance Facility and Activity Inspections							
District 12 Maintenance facilities are inspected weekly by the Maintenance facility supervisor. Per the requirements of the SWMP, the District 12 Maintenance Storm Water Coordinator will review at least 20% of District 12's facilities each year (Section 5.6).							
Maintenance Facility BMP Improvements							
The Maintenance Storm Water Coordinator is working with the Project Manager to incorporate permanent covers on storage bins or the reconstruction of the Bolsa Chica and Sand Canyon Maintenance Stations (Refer to Table 5-2).							
Maintenance BMP Actions/Modifications							
NONE							
Vegetation Management and Vegetated Slope Management							
<p>Vegetation Control Plan- Vegetation Control Plan- The District 12 Vegetation Control Plan (VCP) for FY 2002/03 is under development. The VCP goal is to minimize the discharge of the chemicals to receiving waters by reducing chemical use for vegetation control. The VCP includes the following major items:</p> <ul style="list-style-type: none"> • Type of chemical to be applied and form (dry or liquid) • Application locations, lengths, widths, total area, rates, frequency, total amount • Reason for application • Mowing program <p>District 12 will provide the VCP for FY 02/03 to the Santa Ana RWQCB by May 15, 2002.</p>							

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Regional Work Plans

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Vegetated Slope Evaluation- The Department's Maintenance Inspection and Slope Stabilization Team (MISST) created a Preliminary Slope Inspection Form, further discussed in Annual Report Section 5.2.3, that will be used to inspect all roadside vegetated slopes over the course of 5 years. After approval of the program by the SWRCB, a plan to inspect District slopes will be submitted to the RWQCB at a mutually agreeable date.

	Route/PM	County	Inspection Schedule	Remediation Action Planned

(1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Caltrans staff.

(2) Criteria

- SWPPP = Greater than 5 acres of land disturbance
- 303d = 303 (d) listed water body with project limits and affected by project
- 401 = 401 Certification/Waiver required
- SEP = Supplemental Environmental Project
- Retro = Storm Water Retrofit Project (SWMP 4.4.2)
- LT = Lahontan RWQCB specific requirements for the Lake Tahoe Hydrologic Unit
- HR = Project limits within High Risk Area
- RB = RWQCB designated projects as a potential threat to water quality

SECTION FIVE

Regional Work Plans

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring Plan FY 001/002.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the annual report.
The District Construction Storm Water Coordinator prior to start of construction will review Storm Water Pollution Prevention Plans (SWPPPs) for Caltrans Construction projects.
Notification of Construction (NOC) forms will be completed and submitted to the Santa Ana RWQCB 30 days prior to the start of construction.
Notice of Completion of Construction (NCC) forms will be submitted when a construction project is complete. NCC forms will be submitted when the soil stabilization of the project meets the requirements of the General Construction Permit.
Training and Public Outreach
District 12 will be involved in the Annual Children's Water Education Festival hosted by the Orange County Water District and Disneyland. Members of the District 12 Storm Water Program address the various issues in storm water pollution prevention to over 5,000 elementary school children.
The Division of Planning and Design currently reference the Project Planning and Design Guide (PPDG) (May 2000) to include water quality measures in the project planning and design process. A revision of the PPDG is currently being drafted. When presented with a final revision of the PPDG, Caltrans will provide training for it's employees in the revisions of the PPDG.
Maintenance staff guidance materials provide direction, guidance, policies and procedures for all maintenance activities. The guidance materials used regularly in tailgate training of Maintenance staff as they begin an activity. First Responder Awareness training is consistently provided for all maintenance and shop personnel. This training emphasizes the 3-D approach- divert, dike, and dam- so that spills seldom approach highway drainage courses. Emergency response contractors are on call for cleanup around the clock according to the districts hazardous material spill contingency plan
Municipal Coordination
The County of Orange, the Orange County Flood Control, and 24 of the 33 Orange County cities are co-permittees on a municipal NPDES Permit with the San Diego RWQCB. Newly incorporated cities will be added as Orange County co-permittees. The County of Orange and its co-permittees host Technical Advisory Committee (TAC) meetings as well as co-permittee meetings. The District 12 Storm Water Coordinator will attend Orange County TAC meetings and maintain a continuous exchange of information.
District 8 and 12 jointly host regional NPDES Coordination Team meetings attended by the Santa Ana RWQCB liaison and the Orange County Public Facilities and Resource Department liaison. These meetings are held on a quarterly basis.
District 12 personnel will attend Total Maximum Daily Load (TMDL) workshops as the are announced.

